PRINTING INTERNATIONAL

Printing International achieves pharma-quality inspection with AI-powered vision

Customer Challenge

- Printing International, a leader in pad printing machines, needed **highly reliable, repeatable visual quality inspection** for complex pharmaceutical and medical products — where even tiny defects on 3D parts (capsules, syringes, etc.) can lead to rejection and costly rework. Traditional sensors and classic machine vision solutions required extensive manual configuration and expertise and were not robust enough for stringent quality standards.

Solution

- They integrated **Siemens Industrial AI vision – Inspekto** - into the **FlexLine S10 / Cheiron LinoSystem** printing systems. Inspekto's **"click, train & play" AI-based visual inspection** can be configured rapidly (demo → production-ready in ~20 minutes) and performs multiple critical checks fully on-the-fly using self-learning vision models.

Customer benefit

- **Rapid deployment**: Inspekto went from demo to full pharma-quality inspection in about 20 minutes with no expert vision programming needed.

- **Robust defect detection:** AI identifies absence, misalignment, orientation errors and other defects across multiple points on the printing line automatically — improving quality consistency.

- **Higher quality & efficiency:** Automated inspection reduces dependency on manual checks, minimizes scrap, and supports stringent quality standards for medical-grade products

SIEMENS